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CLAIMS

What is claimed is:

- 5      1. An apparatus for joint music production comprising in combination: a remotely separated plurality of means for producing music interconnected by a first and a second phone lines of a public telephone system, wherein the public telephone system has a signal frequency cutoff limiting transmission to a low range; each of the remotely separated means for producing music providing a locally produced first music signal ( $MS_L$ ) with full audio range, the  $MS_L$  signal impressed on the first phone line of the public telephone system to create a locally produced low-end outbound music signal ( $LE_L$ ); the  $MS_L$  signal separately interconnected with a first high-pass filter; a first mixer circuit receiving an output of the first high-pass filter and a mixer signal, thereby producing a locally produced sum/difference signal ( $SD_L$ ) impressed onto the second phone line of the public telephone system as a high-end outbound music signal ( $HE_L$ ); each of the remotely separated means for producing music further comprising a second mixer circuit enabled for receiving a remotely produced sum/difference signal ( $SD_R$ ) and the mixer signal, a second high-pass filter receiving an output of the second mixer circuit, and enabled for producing a high-end, remotely produced output signal ( $HE_R$ ) therefrom; and a summing circuit interconnected for summing the  $HE_R$  signal and a remotely produced low-end signal ( $LE_R$ ) from the first phone line of the public telephone system with the  $MS_L$  signal, and interconnected with a local output means for listening to the joint music production.
- 10     2. The apparatus of claim 1 wherein the mixer signal is 3700 Hz.
- 15     3. The apparatus of claim 1 wherein  $MS_L$  has a frequency range of approximately 50-20,000 Hz.
- 20     4. The apparatus of claim 1 wherein the  $LE_L$ ,  $HE_L$ ,  $LE_R$  and  $HE_R$  signals each have a frequency cutoff at approximately 3300 Hz.

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5. A method for joint music production comprising the steps of: joining a remotely separated pair of means for producing music by a first and a second phone lines of a public telephone system, wherein the public telephone system has a signal frequency cutoff limiting transmission to a low range; and within both of the remotely separated means for producing  
5 music: producing a locally produced first music signal ( $MS_L$ ) with full audio range; impressing the  $MS_L$  signal on the first phone line of the public telephone system to create a locally produced low-end outbound music signal ( $LE_L$ ); filtering the  $MS_L$  signal separately, with a first high-pass filter; mixing an output of the first high-pass filter with a mixer signal, thereby producing a locally produced sum/difference signal ( $SD_L$ ); impressing the  $SD_L$  signal onto the second phone line of the public telephone system as a high-end outbound music  
10 signal ( $HE_L$ ); and further within both of the remotely separated means for producing music; enabling a second mixer circuit for receiving a remotely produced sum/difference signal ( $SD_R$ ) and the mixer signal, receiving an output of the second mixer circuit at a second high-pass filter, thereby producing a high-end, remotely produced output signal ( $HE_R$ ); summing  
15 the  $HE_R$  signal and a remotely produced low-end signal ( $LE_R$ ) from the first phone line of the public telephone system with the  $MS_R$  signal for listening to the joint music production.
6. A method for joint music production comprising the steps of: joining a remotely separated plurality of means for producing music by at least a first and a second phone lines of a public telephone system, wherein the public telephone system has a signal frequency cutoff limiting transmission to a low range; and within each of the remotely separated means for producing  
20 music: producing a locally produced first music signal ( $MS_L$ ) with full audio range; impressing the  $MS_L$  signal on at least the first phone line of the public telephone system to create at least one locally produced low-end outbound music signal ( $LE_L$ ); filtering the  $MS_L$  signal separately, with a first high-pass filter; mixing an output of the first high-pass filter with a mixer signal, thereby producing a locally produced sum/difference signal ( $SD_L$ ); impressing the  $SD_L$  signal onto at least the second phone line of the public telephone system as a high-end outbound music signal ( $HE_L$ ); and further within each of the remotely separated  
25 means for producing music; enabling a second mixer circuit for receiving at least one remotely produced sum/difference signal ( $SD_R$ ) and the mixer signal, receiving an output of

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the second mixer circuit at a second high-pass filter, thereby producing a high-end, remotely produced output signal ( $HE_R$ ); summing the  $HE_R$  signal and at least one remotely produced low-end signal ( $LE_R$ ) with the  $MS_L$  signal for listening to the joint music production.

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